

Paper: Remote Identification of Client and DNS Proxy IP Addresses**Docket No.:** 2762.2008-000**Applicants:** Mark Day, Gang Lu, Barbara Liskov and James O'Toole**Serial No.:** 09/642,143**Filing Date:** August 18, 2000**Proposed Claim 1 Amendment**

1. (Currently amended) A method for identifying an address of a network element that a particular client uses to obtain IP addresses, comprising:

causing the client to send a test message destined for a test URL to a network element, the test URL including a host name at least in part distinguishable from host names in non-test URLs according to a predetermined uniqueness and not known to the client or network element but for which a test server is known to be authoritative, the network element responsively accessing the test server; and

at the test server, recognizing the predetermined uniqueness in the host name of the test URL received in a request from the network element to resolve the host name in the test URL to an IP address, responsively distinguishing the request from requests including non-test URLs, identifying the address of the network element used by the client to obtain the IP address, and registering the address of the network element making the request.

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